

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 19809
Application ID: 10065724
Title of Invention: COMBINING DIRECT
INTERFERENCE ESTIMATION AND
DECODER METRICS FOR
IMPROVED MESUREMENT FOR
AMR MODE ADAPTATION IN GSM
SYSTEMS
First Named Inventor: Abhijit Patait
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-11-13
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: U02-0020
Digital Certificate Holder: cn=Gregory Stephens, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: G4s4MPxr47aznEcZW2c1xQ==
Total Fees Authorized: \$780.0
Payment Category: DA - Deposit Account
Deposit Account Number: 134365
Deposit Account Name: Gregory Stephens

10065724, 11/13/02

TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Attorney Docket
Number:

U02-
0020

Submission Type: Utility Patent
Filing

COMBINING DIRECT INTERFERENCE ESTIMATION AND DECODER METRICS FOR IMPROVED MESUREMENT FOR AMR MODE ADAPTATION IN GSM SYSTEMS

First Named Inventor: Mr. Abhijit Patait

SUBMITTED BY

Name:	Mr. Gregory A. Stephens
Registration Number:	41,329
Electronic Signature Mark: Gregory A. Stephens	Date Signed: 20021113

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration

DecPg1.tif

declaration

DecPg2.tif

fee-transmittal

sonyeric21 fee.xml

patent-assignments

sonyeric21 asgn.xml

bibd-transmittal

sonyeric21 apds.xml

specification

Document2.xml

Attached Image File(s):

DecPg1.tif

DecPg2.tif

Comments:

Page 12, Claim 1 and Page 13, Claim 8, the equation appears as follows: $0 = P(\text{direct}) = 1, 0 = P(\text{metric}) = 1$, and $P(\text{direct}) + P(\text{metric}) = 1$; however, prior to exporting to E-pave, the Pasat version (and the correct version) shows all of the $=$ signs, except the last one, to be less than or equal to signs. The last $=$ sign is correct.

Please type a plus sign (+) inside this box →

PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge) (37 CFR 1.16 (e)) required	Attorney Docket Number		u02-0020.021	
	First Named Inventor		PRASADA RAO	
	COMPLETE IF KNOWN			
	Application Number			
	Filing Date			
	Group Art Unit			
Examiner Name				

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**COMBINING DIRECT INTERFERENCE ESTIMATION AND DECODER METRICS FOR
IMPROVED MEASUREMENT FOR AMR MODE ADAPTATION IN GSM SYSTEMS**

(Title of the Invention)

the specification of which

☒ Is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by and amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02/B attached hereto:

[Page 1 of 2]

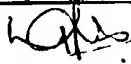
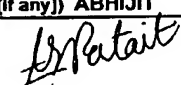
Burden Hour Statement: This form is estimated to take 21 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/01 (03-01)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION – Utility or Design Patent Application			
Direct all correspondence to: <input type="checkbox"/> Customer Number Or Bar Code Label OR <input type="checkbox"/> Correspondence address below			
Name Moore & Van Allen PLLC, Gregory Stephens			
Address 2200 West Main Street, Suite 800			
City Durham	State NC	ZIP 27705	
Country US	Telephone (919) 286-8000	Fax (919) 286-8199	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any)) PRASADA		Family Name Or Surname RAO	
Inventor's Signature 		Date 11/9/02	
Residence: City APEX	State NC	Country U.S.	Citizenship India
Mailing Address 2108 Echo Glen Lane			
City	State NC	ZIP 27502	Country U.S.
NAME OF SECOND INVENTOR: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any)) ABHIJIT		Family Name Or Surname PATAIT	
Inventor's Signature 		Date October 29, 2002	
Residence: City Santa Clara	State CA	Country U.S.	Citizenship India
Mailing Address 620 Park View Drive, Apt. 212			
City Santa Clara	State ca	ZIP 95054	Country U.S.
<input type="checkbox"/> Additional inventors are being named on the 0 supplemental Additional Inventor(s) sheet(s) PTO/SB/02S attached hereto			

[Page 2 of 2]

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 13-4365



Deposit Account Name: Moore & Van Allen

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Gregory Stephens

Electronic Signature Mark: Gregory Stephens

Date Signed: 20021113

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 14	1202	\$ 18	0	\$ 0
Independent Claims: 2	1201	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40